

This Article's
Table of Contents

► [ionization potential](#)

[Print this Table of Contents](#)

ionization potential

▼ Concise Encyclopedia Article

Page 1 of 1

[PRINT PAGE](#) • [PRINT ARTICLE](#) • [E-MAIL ARTICLE](#) • [CITE ARTICLE](#)

► You are viewing a brief summary article.
Members can log in to view the full article.

More results on "ionization potential" when you [join](#).

Free For Members

3844 items

Amount of energy required to remove an electron from an isolated atom or molecule.

ionization energy There is an **ionization potential** for each successive electron removed, though that associated with removing the first (most loosely held) electron is most commonly used. The **ionization potential** of an **element** is a measure of its ability to enter into chemical reactions requiring **ion** formation or donation of electrons and is related to the nature of the chemical bonding in the compounds formed by elements. *See also* **binding energy**, **ionization**.

► Encyclopædia
Britannica
articles

► Student
articles
Video and
media
Web sites
► Concise
articles

Free For Members

Subscribe to unlock this content today!

Start your FREE Trial

Get the full article with a FREE Trial

To cite this page:

MLA style:

"ionization potential." *Britannica Concise Encyclopedia*. 2005.
Encyclopædia Britannica Premium Service
15 June 2005 <<http://www.britannica.com/ebc/article?tocId=9368144>>.

APA style:

ionization potential. *Britannica Concise Encyclopedia*. Retrieved
June 15, 2005, from Encyclopædia Britannica Premium Service.
<<http://www.britannica.com/ebc/article?tocId=9368144>>

Britannica style:

"ionization potential." *Britannica Concise Encyclopedia* from
Encyclopædia Britannica Premium Service.
<<http://www.britannica.com/ebc/article?tocId=9368144>>
[Accessed June 15, 2005].

◀ [Back to top](#)

More from Britannica on "ionization potential"...